

# Information Data Sheet

**Detector Tube    MEK-50**

**Part No. (US):    813334**

**Part No.            D5086837**

**1. Application**

Detection of ethyl methyl ketone (2-Butanone C<sub>4</sub>H<sub>8</sub>O) in air or in technical gases.

**2. Detector Tube Sampling Pump**

KWIK DRAW(formerly MSA AUER) Gas-Tester<sup>®</sup> IIH, Gas-Tester<sup>®</sup> I / ThumbPump<sup>™</sup>-Sampler, Toximeter<sup>®</sup> II, Uniphos Kwik-Draw<sup>™</sup>-Pump or other suitable detector tubes pumps. Observe respective instructions for use.

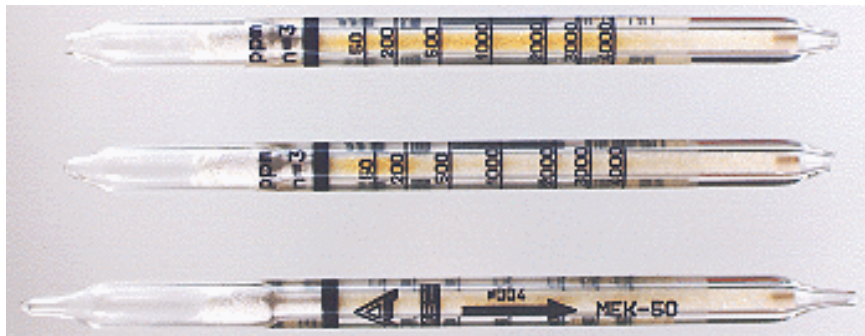
**3. Measuring Range**

50 ppm ... 4000 ppm ethyl methyl ketone at n=3 (3 strokes).

**4. Chemical Reaction and Color Change**

Reaction of ethyl methyl ketone with 2,4 -dinitrophenylhydrazine forming an hydrazone.

Color change:    Light yellow    →    Yellow



**5. Ambient Conditions During Sampling**

• Detector tubes can be used without compensation of the reading between 0 °C and 40 °C (32 °F and 95 °F) and up to and 90% RH [36 g/m<sup>3</sup> at 40 °C (95 °F)].

**6. Interferences and Cross Sensitivities**

- a) No interference from:  
alcohols and esters.
- b) Aldehydes and other ketones will be indicated. The sensitivity of indication is different. Ammonia interferes with the reading by a yellow-brown discoloration of the indicating layer.

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